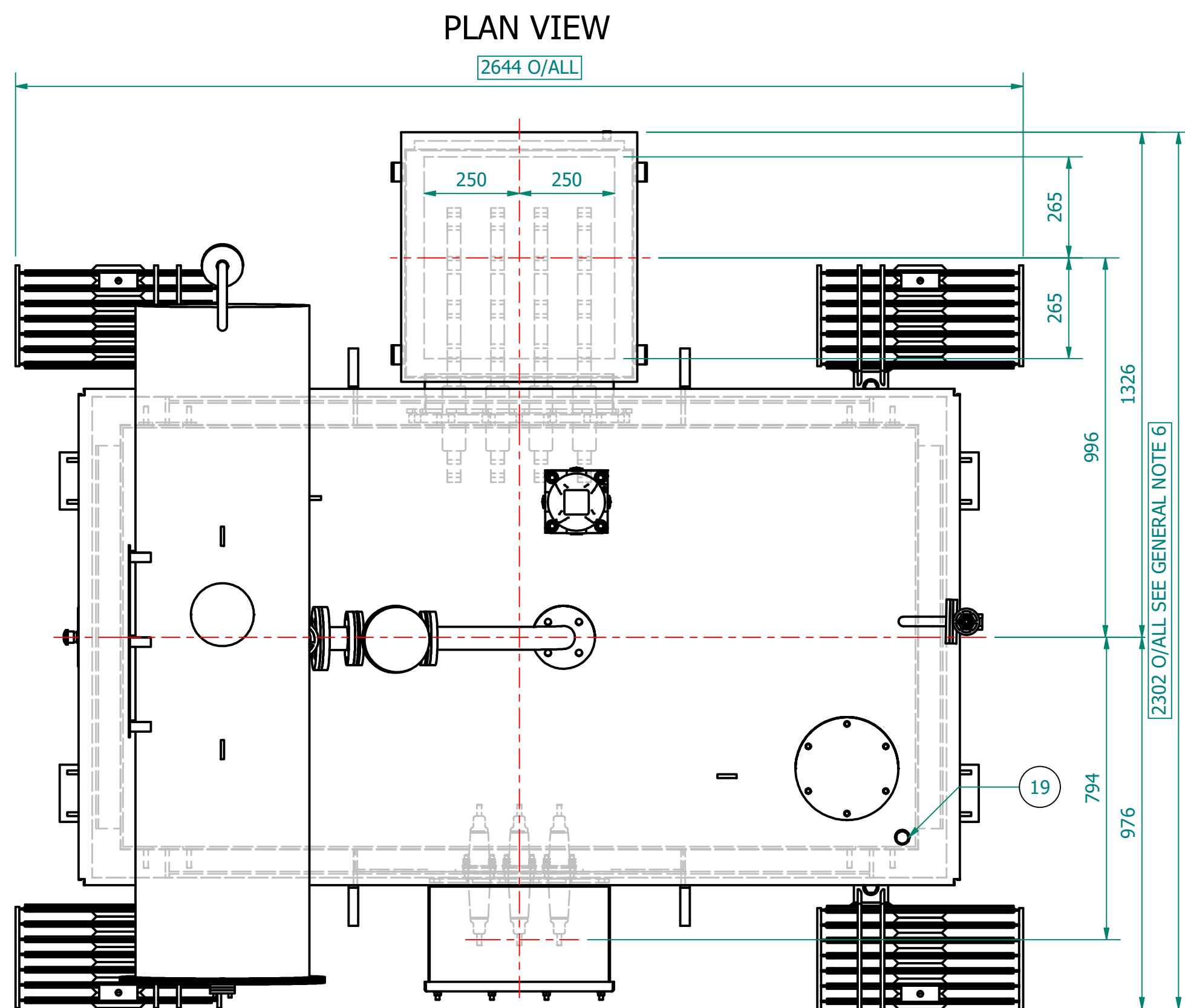
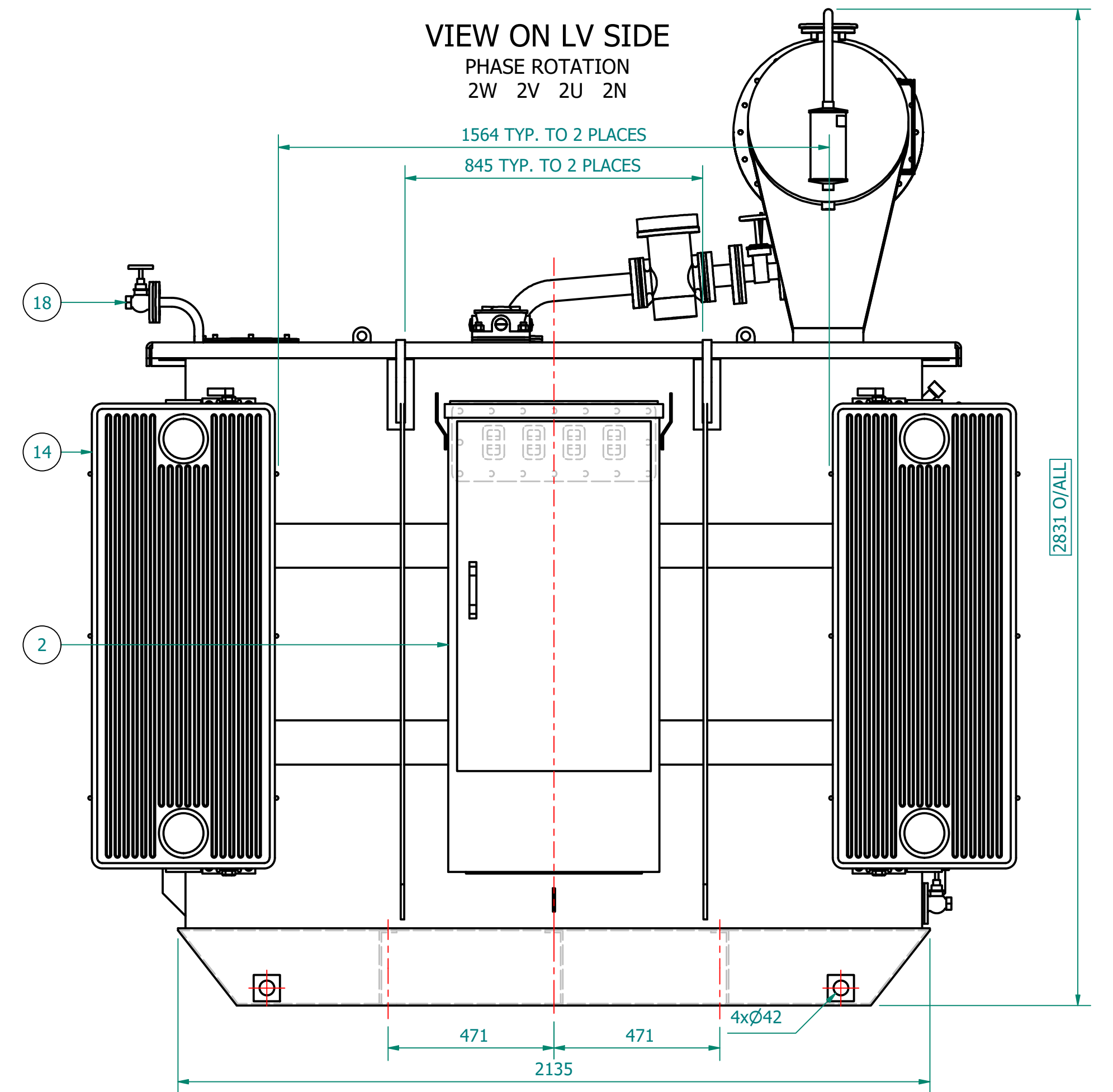
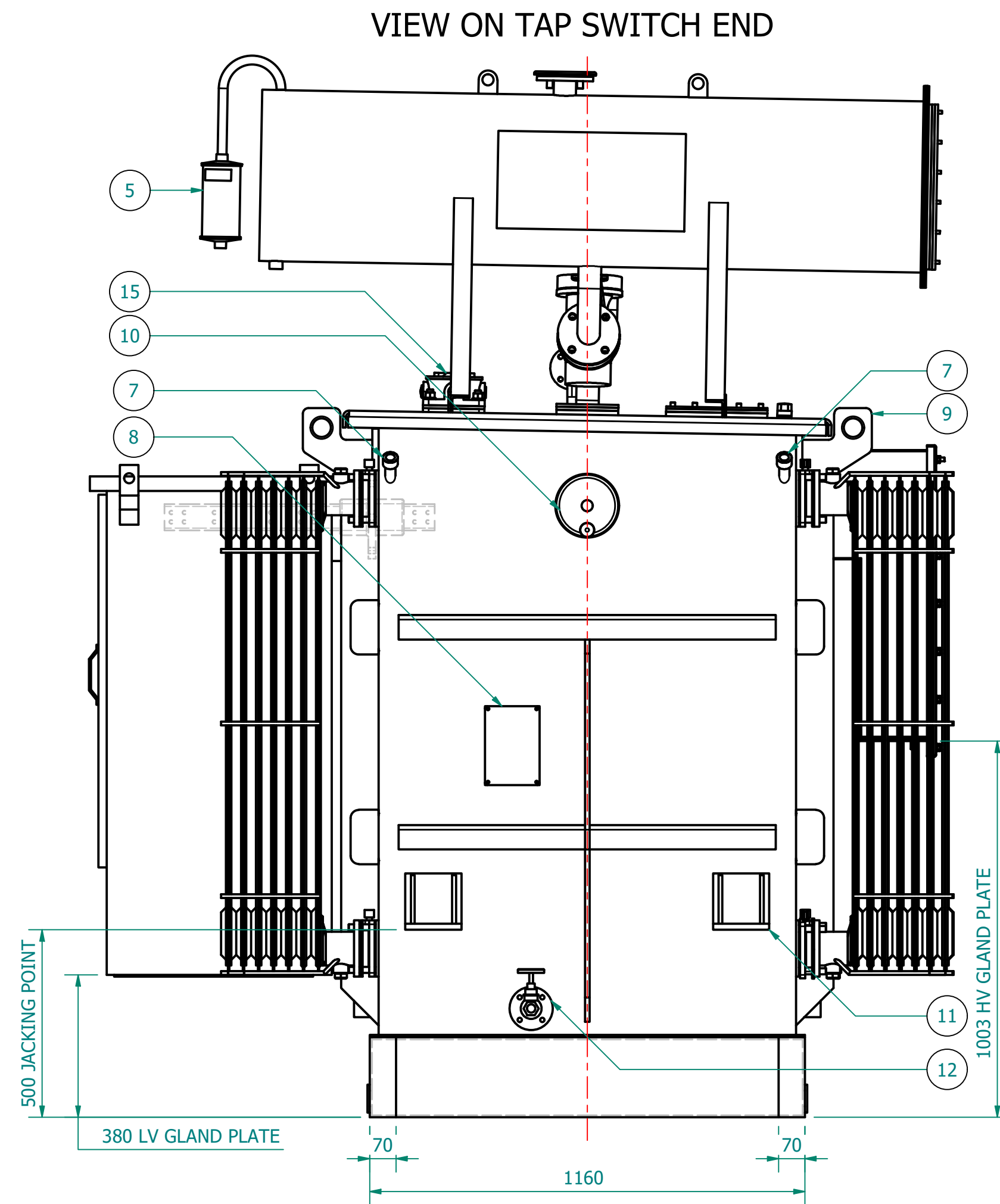
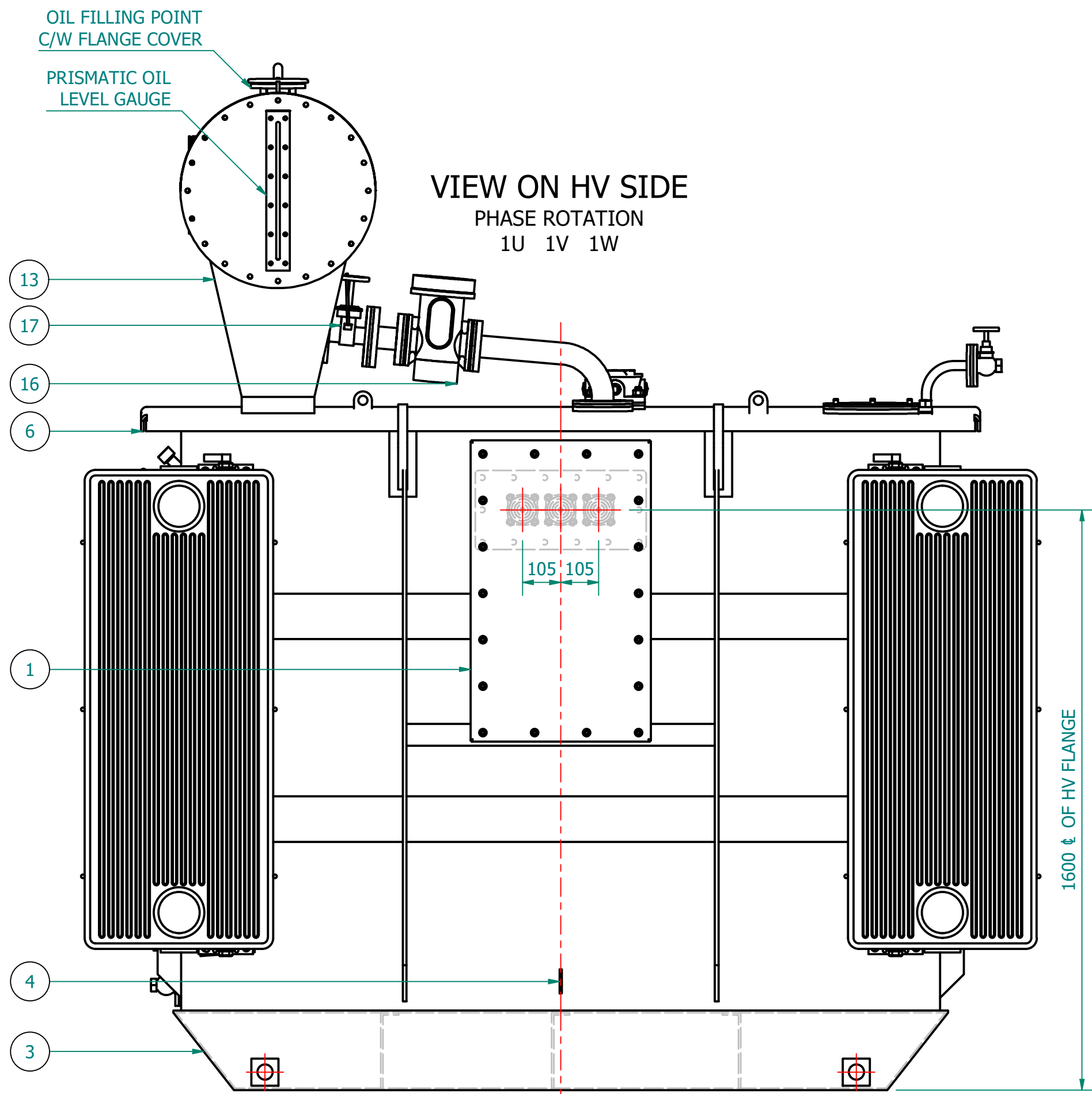


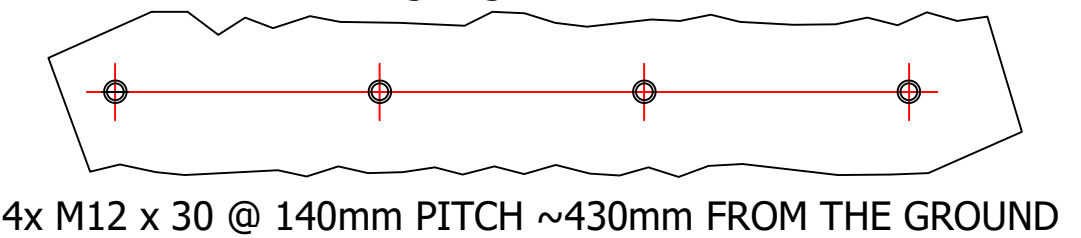


GENERIC LV CABINET SHOWN.
DIMENSIONS WILL CHANGE.
FINAL DESIGN MAY REQUIRE
SUPPORT FRAME.

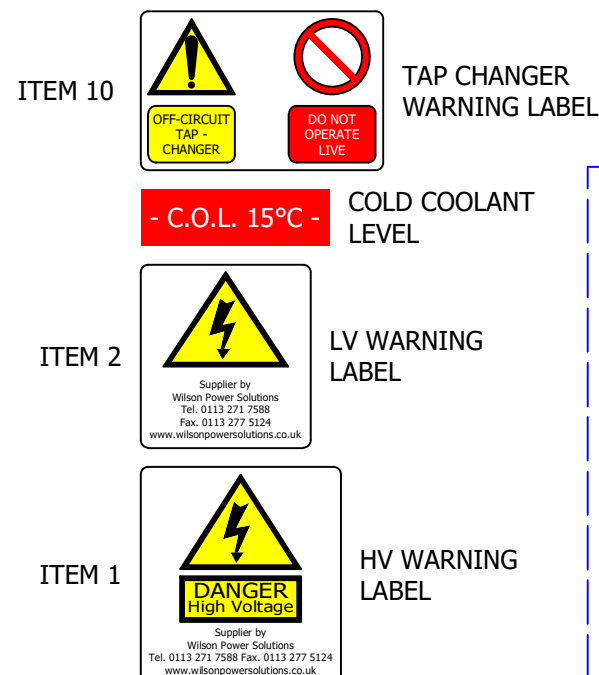


TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	5930
TANK AND FITTING	kg	1850
COOLING LIQUID VOLUME	L	2750
COOLING LIQUID WEIGHT	kg	2240
TOTAL TX WEIGHT	kg	10020
ADDITIONS TO THE TRANSFORMER WEIGHT		
LV UNIT	kg	--

VIEW OF LV SIDE - CABLE CLEAT STUDS
CABLES MUST BE SUPPORTED IN ACCORDANCE WITH -
CURRENT IET Wiring Regulations BS7671 & IEC 61914



ESSENTIAL LABELS

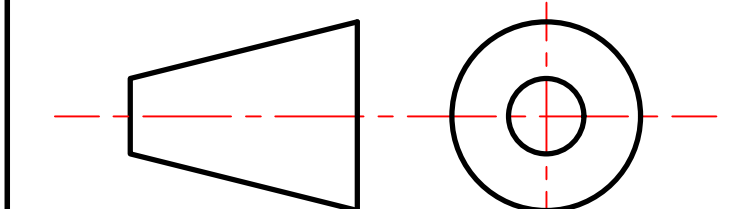


HV TERMINAL DETAILS (01)		
0 - 250A	A = M12	20 NM
251 - 400A	A = M16	25 NM

3000kVA			ELECTRICAL RATINGS		
No Load Voltage Ratio at Normal Tap	HV Tappings	Vector Group	Frequency	Full-Load Current at Normal Tap	
				HV Side	LV Side
11000 / 415V	+7.5 to -5.0% IN 2.5% INCREMENTS	Dyn11	50Hz	157.459A	4173.616A
Design Impedance at Normal Tap	No Load Losses at rated Voltage & Frequency	Full Load Losses at rated Current & at 75°C Temp.	Temp. Rise above Ambient 40°C		
			in Oil by Therm.		in Wdg. by Res.
7.0%	1150W	19000W	60°C	65°C	
GENERAL NOTES					
1	ALL DIMENSIONS ARE IN 'mm'.				
2	ALL DIMENSIONS/WEIGHTS ARE SUBJECT TO ± 10% TOLERANCE.				
3	ELECTRONIC SCALE - 1:1 (ONLY WRITTEN DIMENSIONS TO BE FOLLOWED).				
4	TOLERANCE ON IMPEDANCE PER IEC:60076.				
5	PAINT SHADE.: 632 As PER BS:381C (SEMI GLOSS) TO ISO12944 - MIN C4H SPEC.				
6	O/ALL DIMS ARE SUBJECT EQUIPMENT DOOR OPENING DISTANCES.				
7					
8					
9					

19	1	AIR RELEASE PLUG
18	1	FILTER VALVE (25NB) with MALE PLUG
17	1	SHUT OFF VALVE FOR CONSERVATOR
16	1	BUCHHOLZ RELAY EE2 (WITH ALARM & TRIP CONTACT)
15	1	WTI CT BUSHING TERMINALS ENCLOSED IN BOX
14	4	DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 75 x 40P)
13	1	DETACHABLE OIL CONSERVATOR W/ PRISMATIC OIL LEVEL GAUGE, OIL FILLING POINT W/ FLANGED COVER & 2 LIFTING LUGS
12	1	DRAIN VALVE (25NB) with MALE PLUG
11	4	JACKING PADS
10	1	OFF-CIRCUIT TAP SWITCH (6-Position & Padlockable)
9	4	TRANSFORMER LIFTING LUGS
8	1	RATING & DIAGRAM PLATE (SS)
7	2	THERMOMETER POCKET (3/4" BSP MALE THREAD)
6	1	TOP COVER with LIFTING LUGS (x2)
5	1	ENVIRO GEL BREATHER TYPE R1
4	2	EARTHING TERMINAL (FLAT TYPE suitable for M12 Bolt)
3	1	TRANSFORMER BASE (SKID TYPE) c/w HAULAGE HOLES & BRACING
2	1	LV CABINET - BOTTOM ENTRY, (FACING-'F', BS:2562), PART NØ TBC
1	1	HV CABLE BOX - 12KV, 3-POLE, HEAT-SHRINK INSULATION, (FACING-'F' BS:2562) SUITABLE FOR 1 x 3c CABLE - MAX. 185mm.sq
ITEM	QTY	DESCRIPTION
PARTS LIST		

IF IN DOUBT - **ASK**. REMOVE ALL SHARP EDGES. **DO NOT**
SCALE. DRAWING **NOT TO SCALE**



BASED ON:

REVISION HISTORY			
REV	REV BY	VERIFIED	APPROVED

REVISION DESCRIPTION	
ORIGINAL	

REV	PROJECT
00	CUSTOMER
	S.O. NUMBER
	P.O. NUMBER
	W.O. NUMBER

DATE	
26-NOV-2025	

DRAWING TITLE	
GENERAL ARRANGEMENT DRAWING FOR 3000kVA WILSON e4 AMORPHOUS ULTIMATE LOW LOSS 11000/415V, 50Hz, Dyn11, ONAN AL WOUND DISTRIBUTION TRANSFORMER LV CABINET	

DRAWN BY:	
RAMESH J	
DATE:	
26/11/2025	
DRAWING NO.:	

WILSON POWER SOLUTIONS	
web: www.wilsonpowersolutions.co.uk email: info@wilsonpowersolutions.co.uk	
WPS-E4-3000-AL-GA-A001	SHEET 1 OF 1